

	P/N	DESCRIPTION
X	DT10745-041	KIT, VALVE PULL TEST
1	DT10745-051	VALVE TEST FIXTURE ASSEMBLY
1	DT10745-053	LOAD CELL ASSEMBLY
1	DT10745-055	ADAPTER, BAYONET HOUSING
1	DT10745-057	RESERVOIR ADAPTER ASSEMBLY
1	DT10745-59	PACKAGING ASSEMBLY
1	DT10745-9	SHROUD, TEST
5	NAS1149CN632R	WASHER
2	NAS1351C4-12	SOCKET HEAD CAP SCREW
3	NAS1352C06-12	SOCKET HEAD CAP SCREW
2	NAS1352C06-16	SOCKET HEAD CAP SCREW

D

C

B

A

NOTES:  
1) MATERIAL: N/A  
2) FINISH: N/A  
3) TOLERANCES: N/A  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
6) IDENTIFICATION: IDENTIFY PELICAN CASE WITH DART P/N "DT10745-041" PER QSI 044 6.5  
7) WEIGHT: 13.01 lbs

DT10745-053  
LOAD CELL ASSEMBLY

DT10745-59  
PACKAGING ASSEMBLY  
(TOP NOT SHOWN)

DT10745-057  
RESERVOIR ADAPTER ASSEMBLY

DT10745-051  
VALVE TEST FIXTURE ASSEMBLY

**DT10745-041 KIT, VALVE PULL TEST**  
(TOP OF CASE NOT SHOWN)

NAS1352C6-16  
SOCKET HEAD CAP SCREW  
NAS1149CN632R  
WASHER  
2 PL

NAS1352C6-12  
SOCKET HEAD CAP SCREW  
NAS1149CN632R  
WASHER  
3 PL

NAS1351C4-12  
SOCKET HEAD CAP SCREW  
2 PL

DT10745-055  
ADAPTER, BAYONET HOUSING

DT10745-9  
SHROUD, TEST

PRELIMINARY ISSUE

REV.	DESCRIPTION		BY	DATE
DESIGN	JC	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
DRAWN	JC			
CHECKED	ZF	DRAWING NO. DT10745		REV.
MFG. APPR.	JFS			SHEET 1 OF 20
APPROVED		TITLE		SCALE
DE APPR.		KIT, VALVE PULL TEST		NTS
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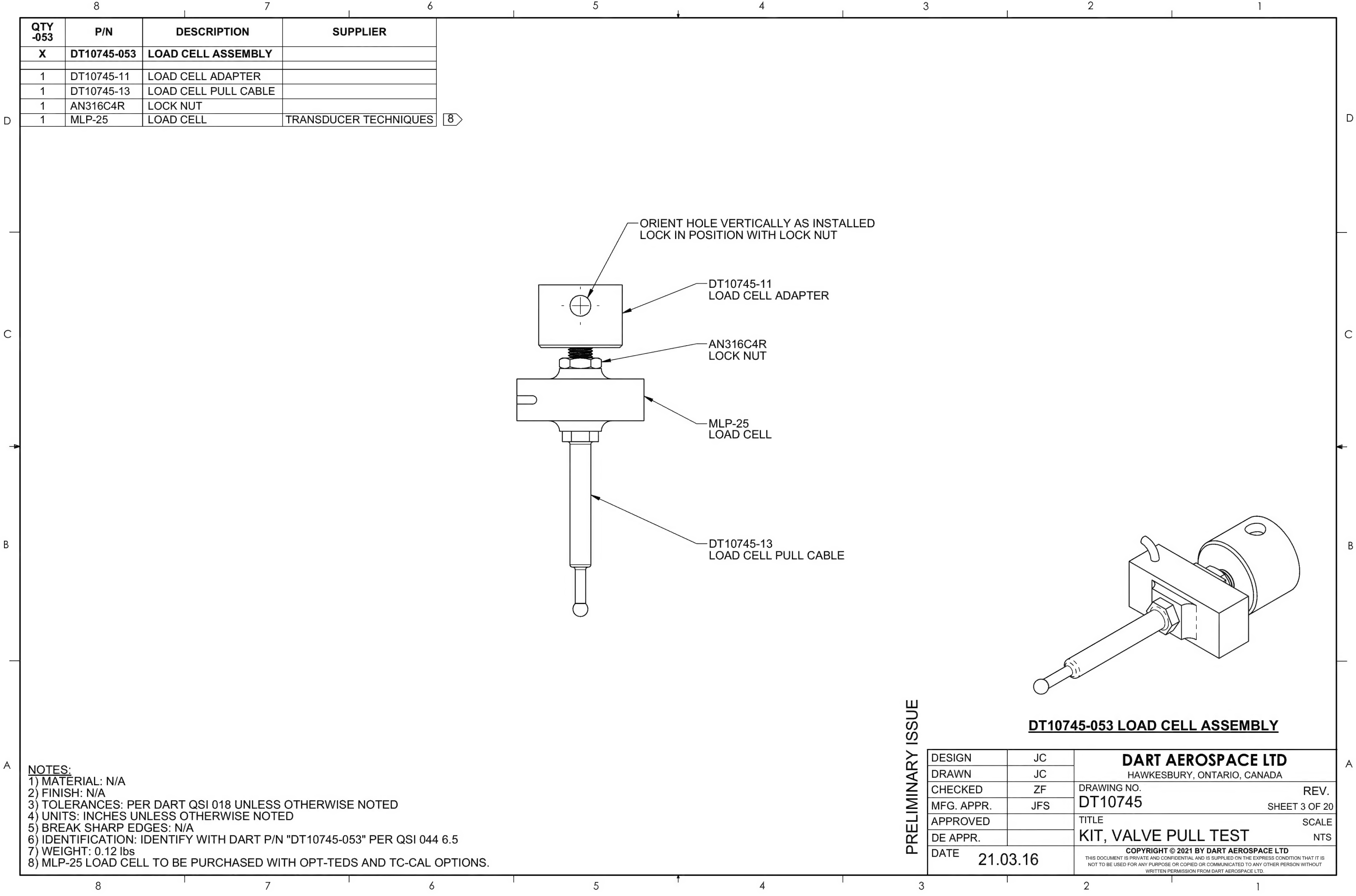
D

C

B

A





D

C

B

A

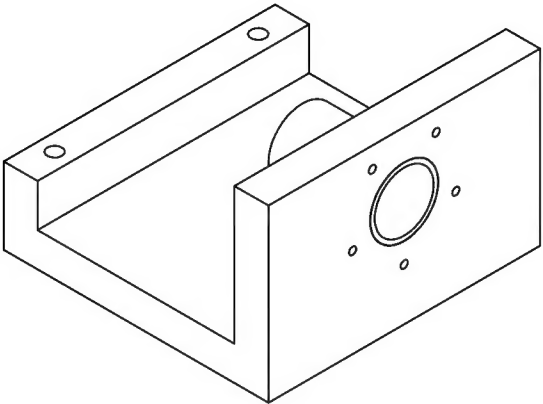
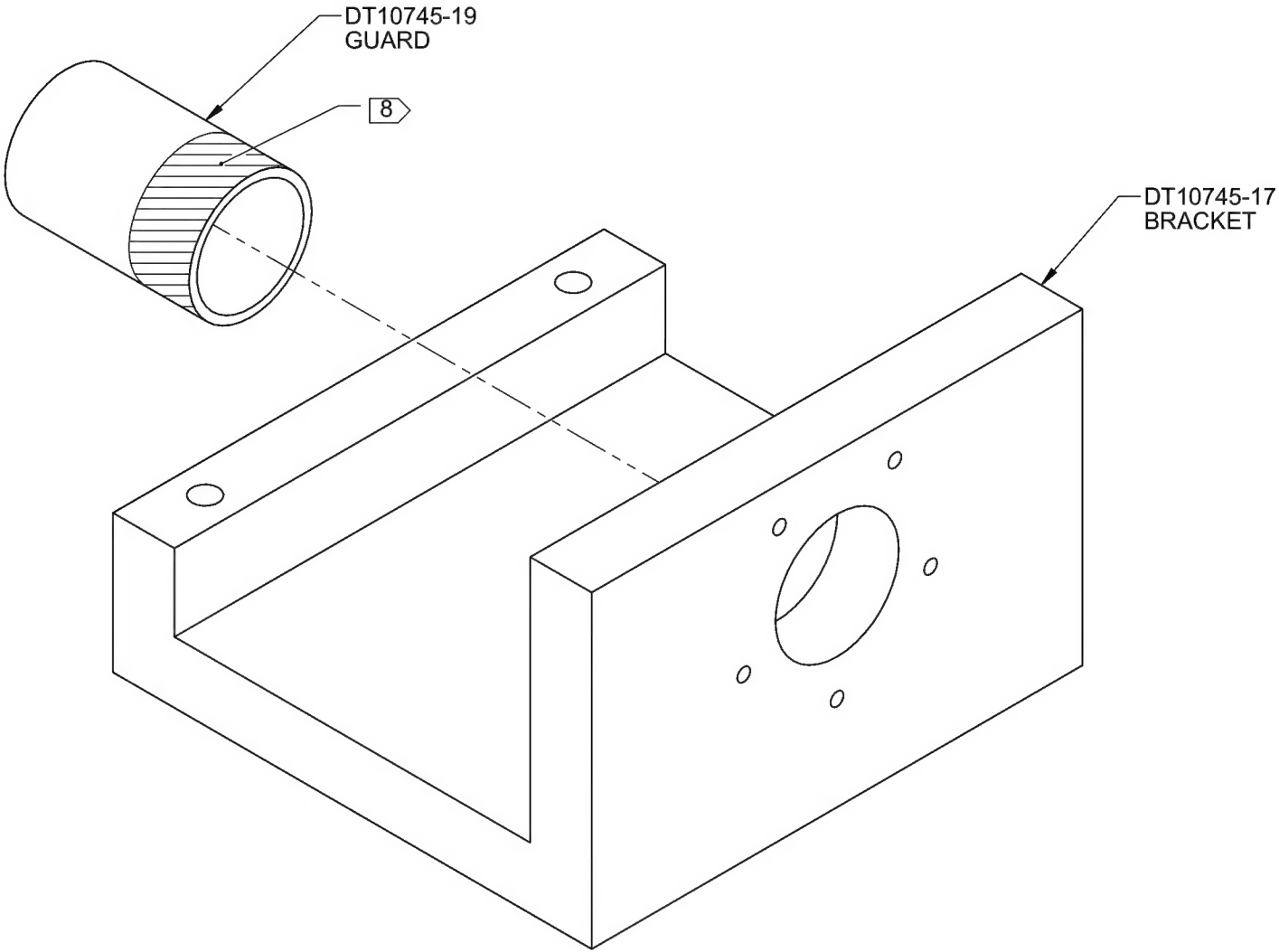
D

C

B

A

QTY -055	P/N	DESCRIPTION	SUPPLIER
X	DT10745-055	ADAPTER, BAYONET HOUSING	
1	DT10745-17	BRACKET	
1	DT10745-19	GUARD	
A/R	DP460	EPOXY	3M



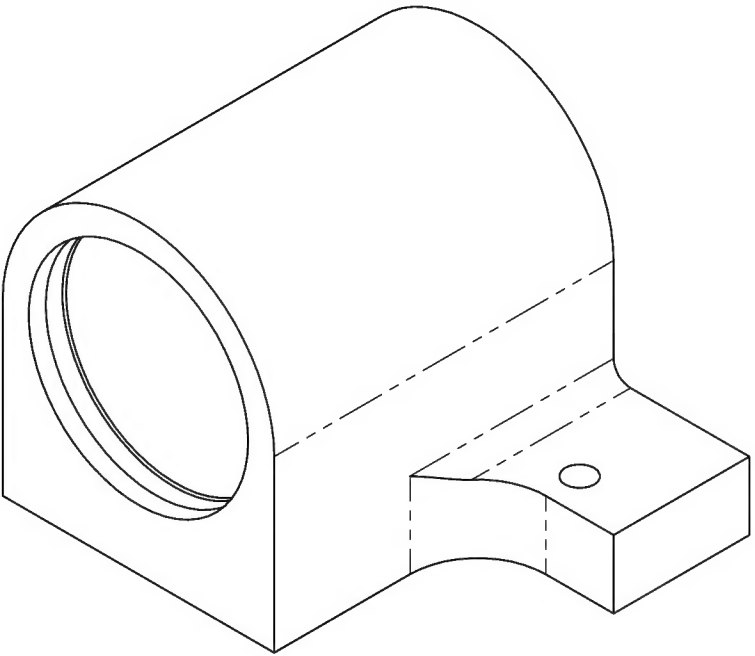
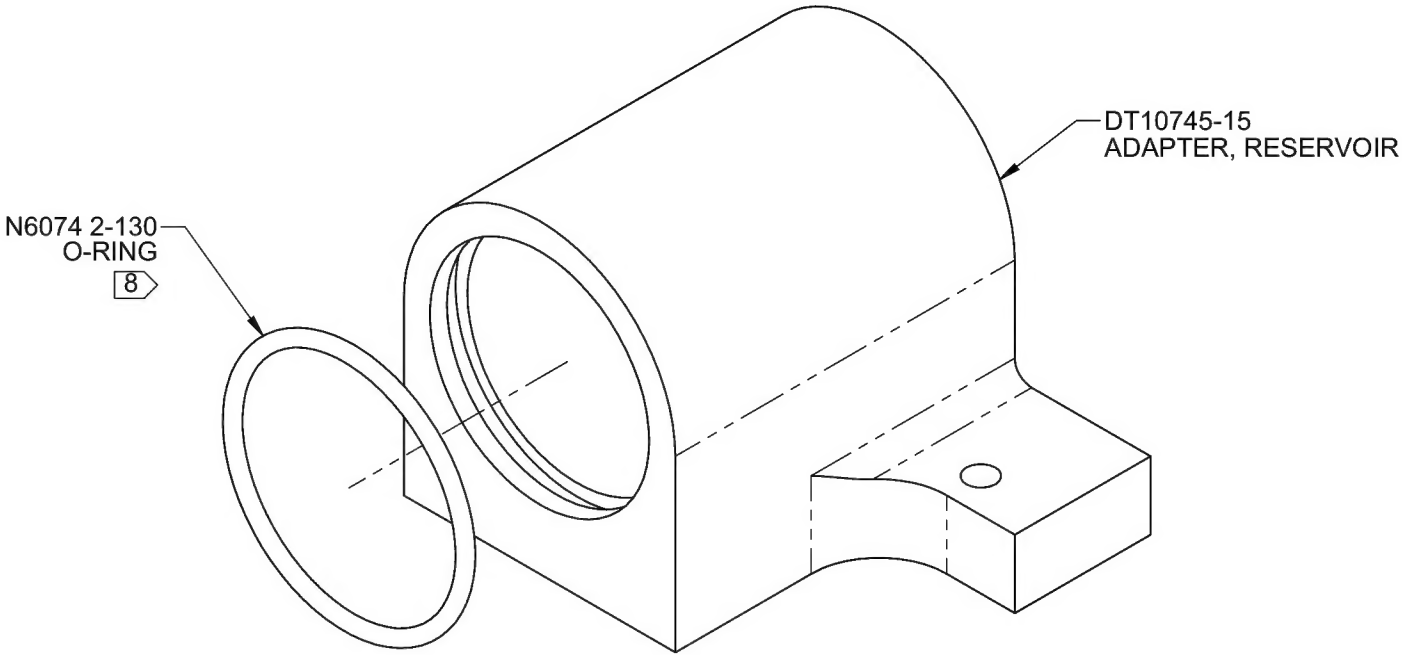
**DT10745-055 ADAPTER, BAYONET HOUSING**

NOTES:  
1) MATERIAL: N/A  
2) FINISH: N/A  
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: N/A  
6) IDENTIFICATION: IDENTIFY WITH DART P/N "DT10745-055" PER QSI 044 6.5  
7) WEIGHT: 1.26 lbs  
8) APPLY EPOXY TO AREA INDICATED. ENSURE GUARD IS PERPENDICULAR TO SURFACE WHILE EPOXY CURES

PRELIMINARY ISSUE

DESIGN	JC	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	JC		
CHECKED	ZF	DRAWING NO. <b>DT10745</b>	REV.
MFG. APPR.	JFS		SHEET 4 OF 20
APPROVED		TITLE	SCALE
DE APPR.		<b>KIT, VALVE PULL TEST</b>	NTS
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QTY -041	P/N	DESCRIPTION	SUPPLIER
X	DT10745-057	RESERVOIR ADAPTER ASSEMBLY	
1	DT10745-15	ADAPTER, RESERVOIR	
1	N6074 2-130	O-RING	PARKER
A/R	240AZ	O-RING LUBRICANT	KRYTOX



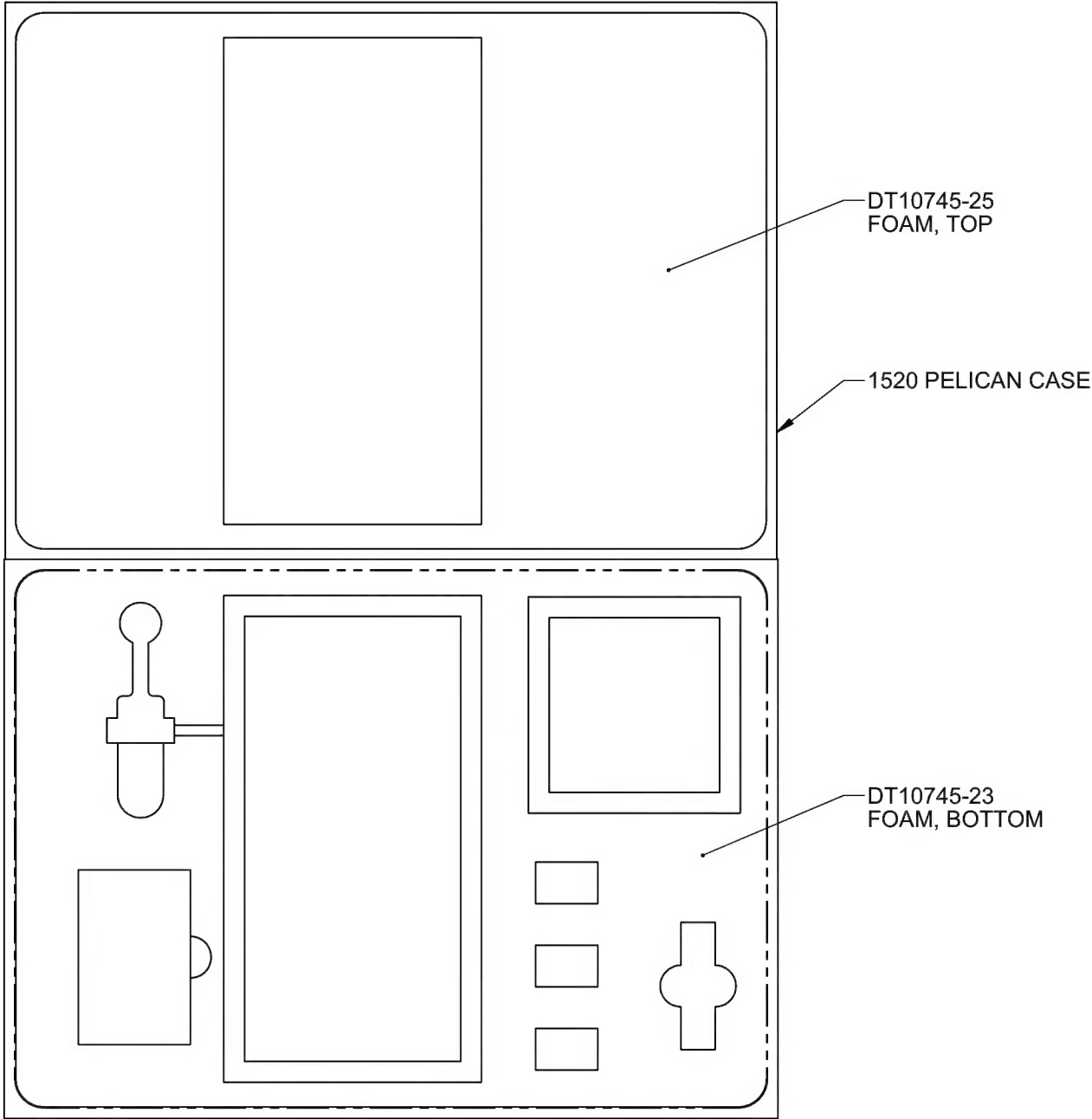
**DT10745-057 RESERVOIR ADAPTER ASSEMBLY**

- NOTES:
- 1) MATERIAL: N/A
  - 2) FINISH: N/A
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: N/A
  - 6) IDENTIFICATION: IDENTIFY WITH DART P/N "DT10745-057" PER QSI 044 6.5
  - 7) WEIGHT: 0.62 lbs
  - 8) APPLY O-RING LUBRICANT TO ENTIRE SURFACE OF O-RING PRIOR TO INSTALLATION

PRELIMINARY ISSUE

DESIGN	JC	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
DRAWN	JC	
CHECKED	ZF	DRAWING NO. <b>DT10745</b> REV. SHEET 5 OF 20
MFG. APPR.	JFS	
APPROVED		TITLE <b>KIT, VALVE PULL TEST</b> SCALE NTS
DE APPR.		
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QTY -059	P/N	DESCRIPTION
X	DT10745-59	PACKAGING ASSEMBLY
1	DT10745-23	FOAM, BOTTOM
1	DT10745-25	FOAM, TOP
1	1520	PELICAN CASE

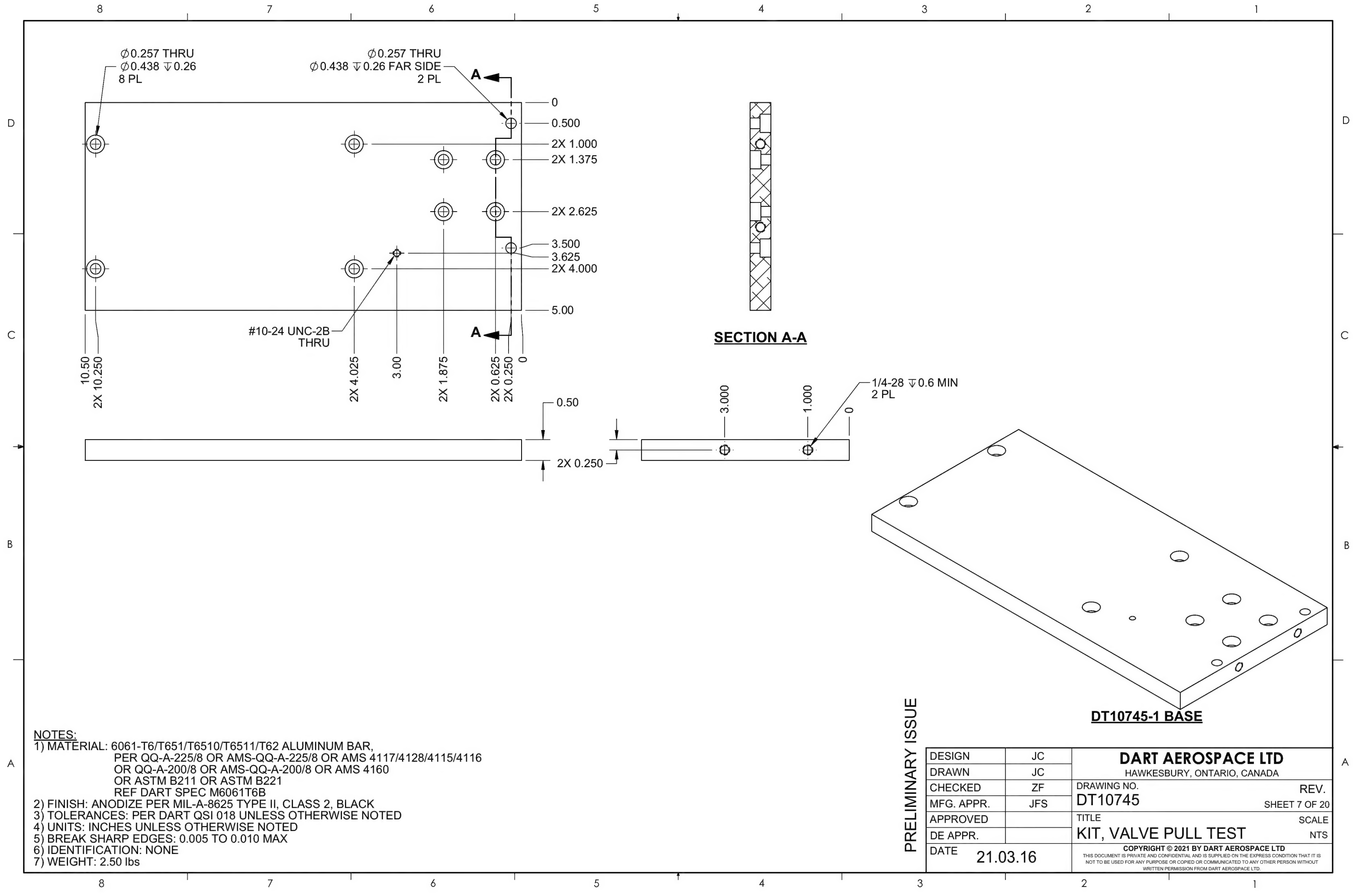


**DT10745-59 PACKAGING ASSEMBLY**

NOTES:  
1) MATERIAL: N/A  
2) FINISH: N/A  
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: N/A  
6) IDENTIFICATION: N/A  
7) WEIGHT: N/A

PRELIMINARY ISSUE

DESIGN	JC	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
DRAWN	JC	
CHECKED	ZF	DRAWING NO. REV.
MFG. APPR.	JFS	DT10745 SHEET 6 OF 20
APPROVED		TITLE SCALE
DE APPR.		KIT, VALVE PULL TEST NTS
DATE	21.03.16	<small>COPYRIGHT © 2021 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>



NOTES:

1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR, PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 REF DART SPEC M6061T6B

2) FINISH: ANODIZE PER MIL-A-8625 TYPE II, CLASS 2, BLACK

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

4) UNITS: INCHES UNLESS OTHERWISE NOTED

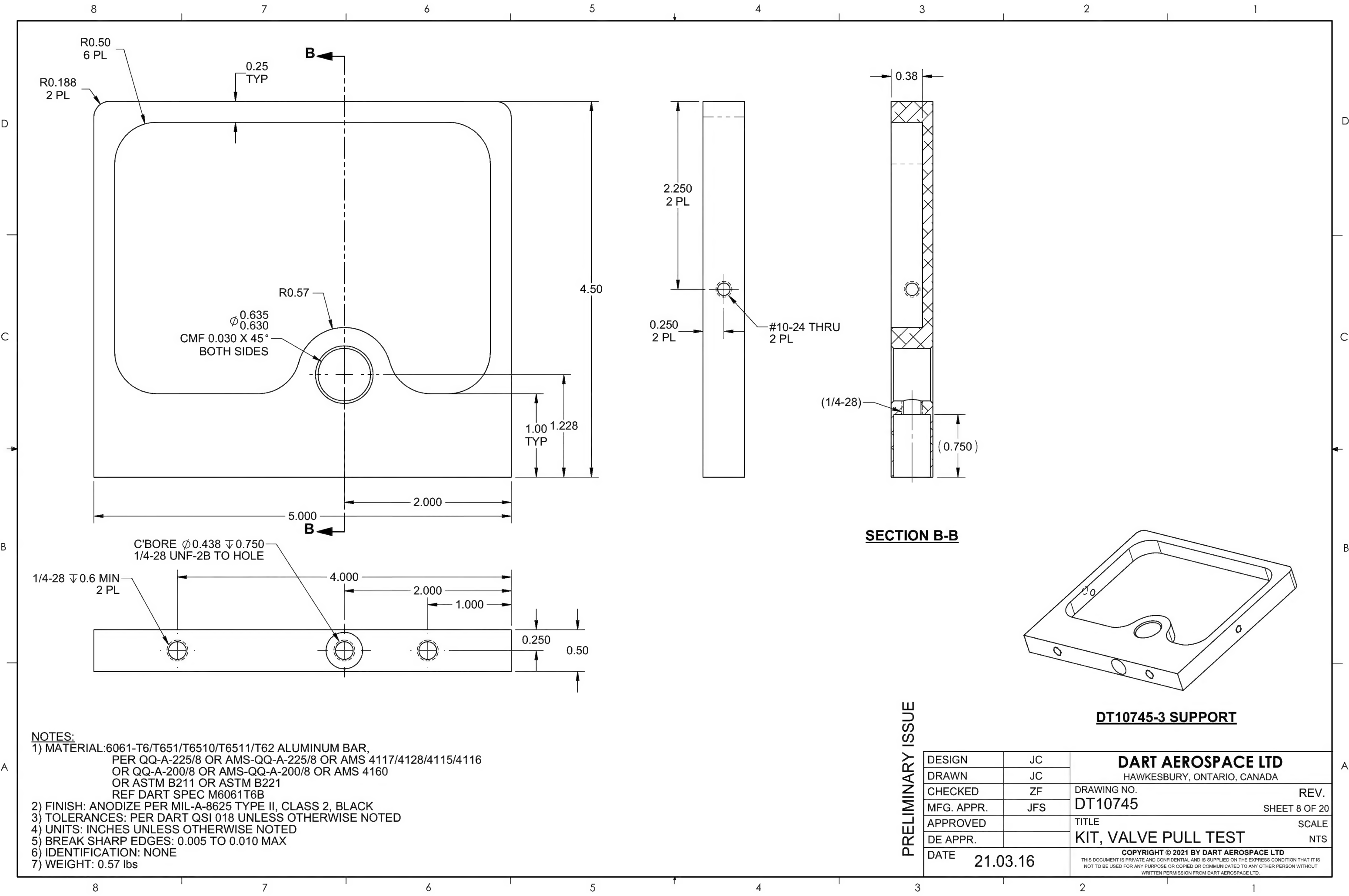
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX

6) IDENTIFICATION: NONE

7) WEIGHT: 2.50 lbs

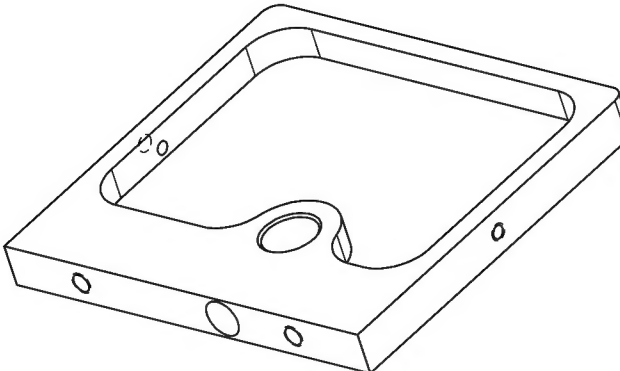
PRELIMINARY ISSUE

DESIGN	JC	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	JC		
CHECKED	ZF	DRAWING NO. <b>DT10745</b>	REV.
MFG. APPR.	JFS		SHEET 7 OF 20
APPROVED		TITLE	SCALE
DE APPR.		<b>KIT, VALVE PULL TEST</b>	NTS
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NOTES:  
1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR,  
PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160  
OR ASTM B211 OR ASTM B221  
REF DART SPEC M6061T6B  
2) FINISH: ANODIZE PER MIL-A-8625 TYPE II, CLASS 2, BLACK  
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
6) IDENTIFICATION: NONE  
7) WEIGHT: 0.57 lbs

SECTION B-B



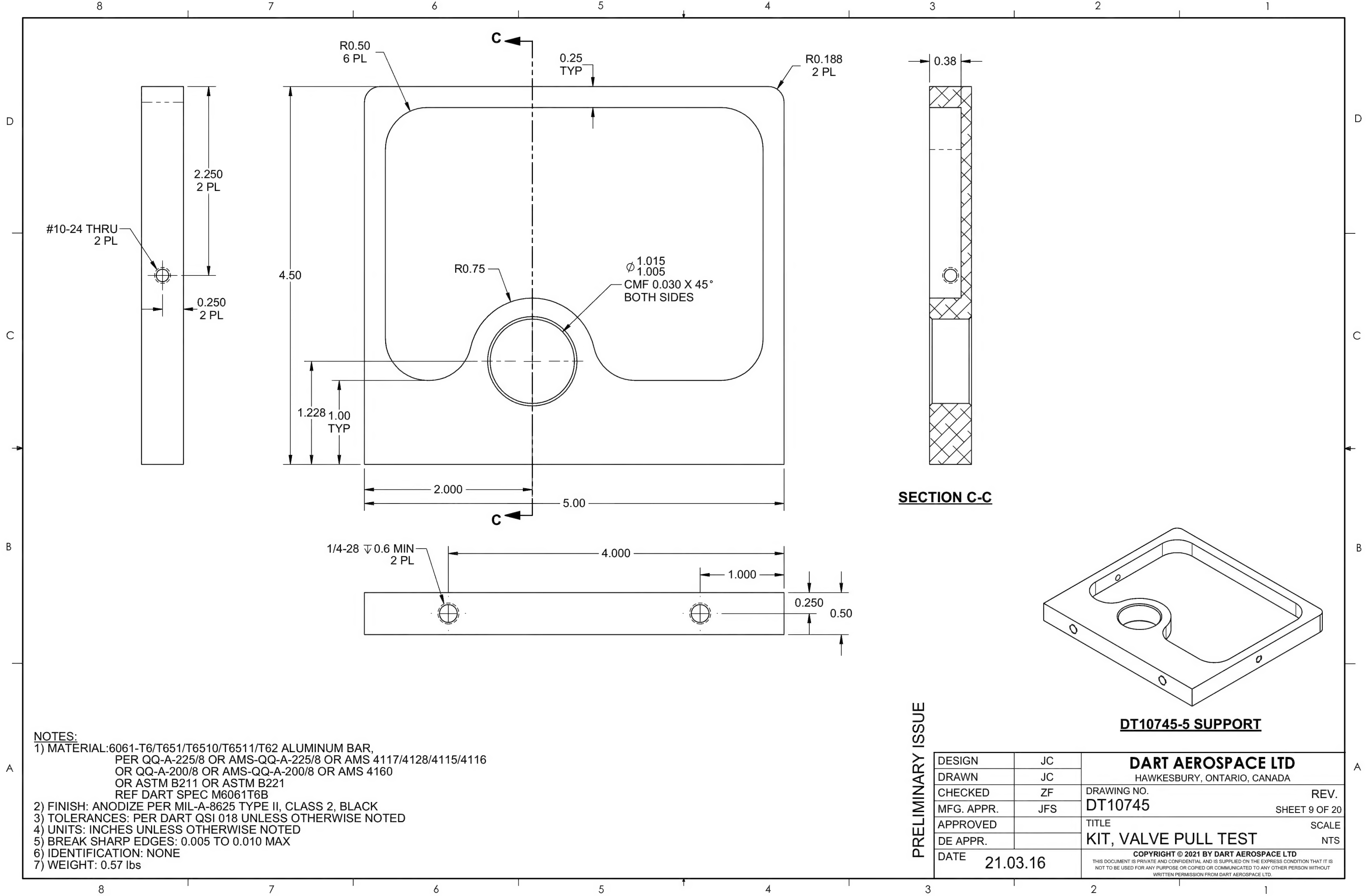
DT10745-3 SUPPORT

PRELIMINARY ISSUE

DESIGN	JC	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	JC		
CHECKED	ZF	DRAWING NO. DT10745	REV. SHEET 8 OF 20
MFG. APPR.	JFS	TITLE KIT, VALVE PULL TEST	
APPROVED			
DE APPR.		SCALE NTS	
DATE	21.03.16		

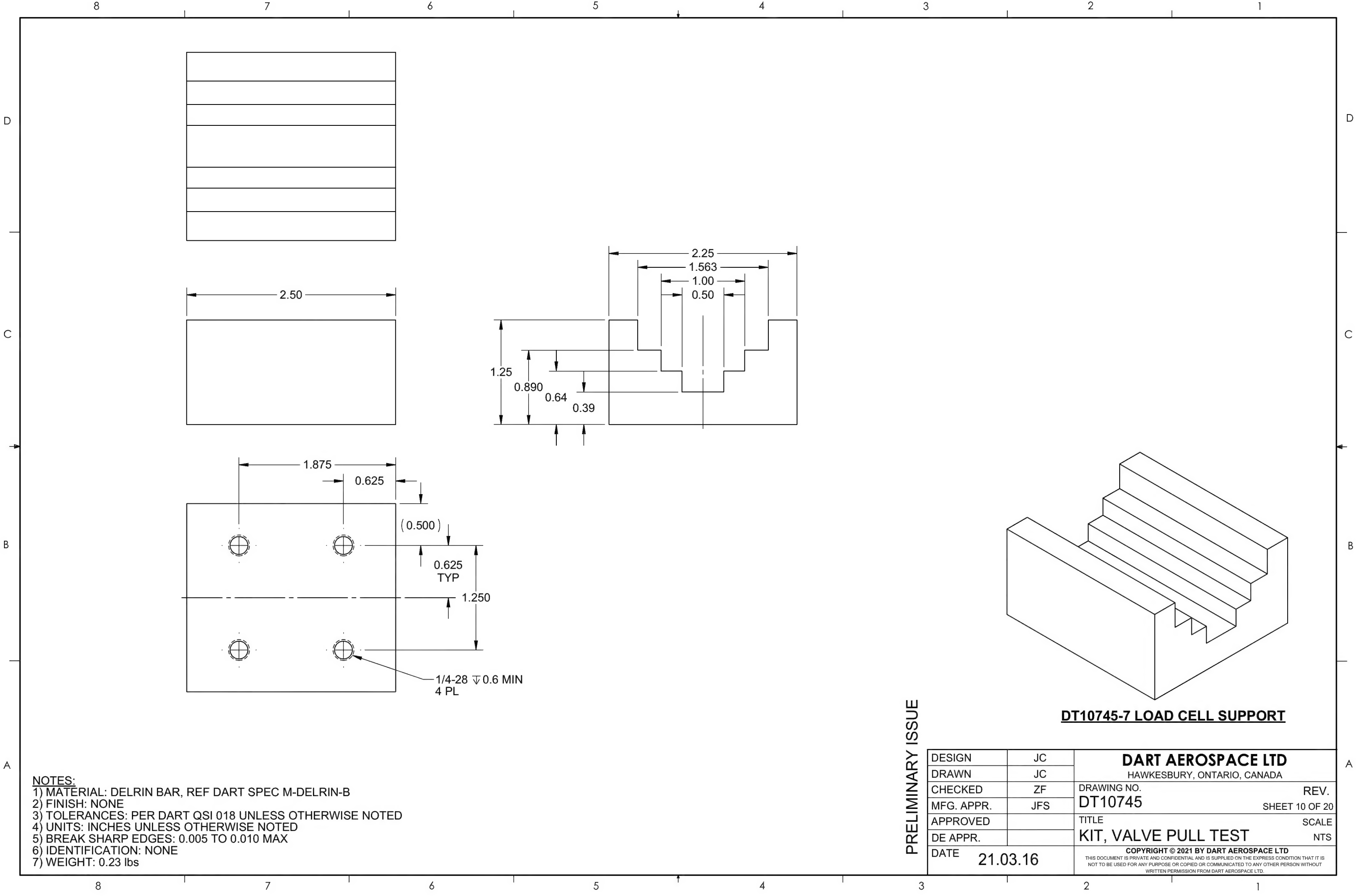
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PRELIMINARY ISSUE

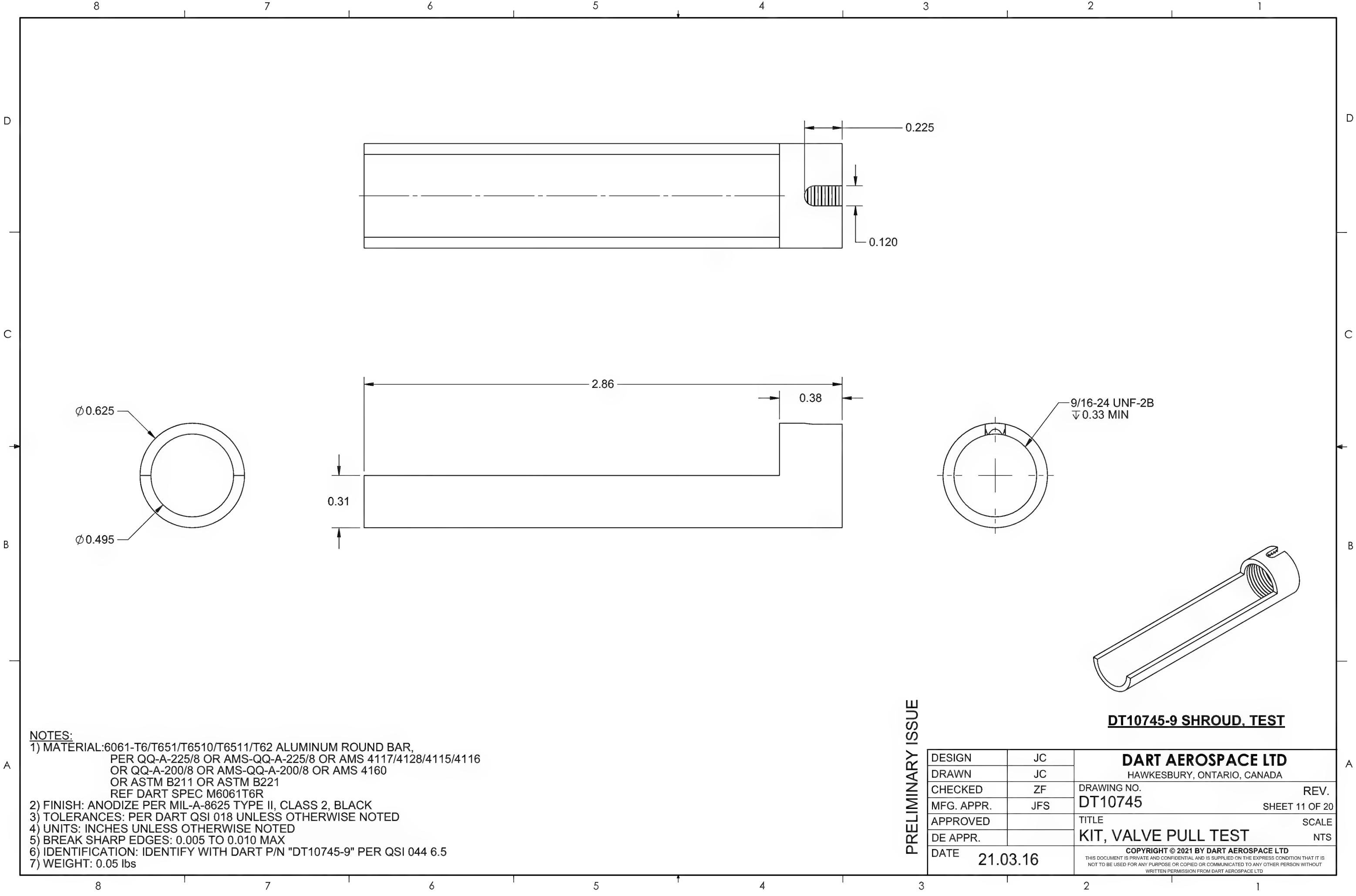
DESIGN	JC	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	JC	
CHECKED	ZF	DRAWING NO. REV.
MFG. APPR.	JFS	DT10745 SHEET 9 OF 20
APPROVED		TITLE SCALE
DE APPR.		KIT, VALVE PULL TEST NTS
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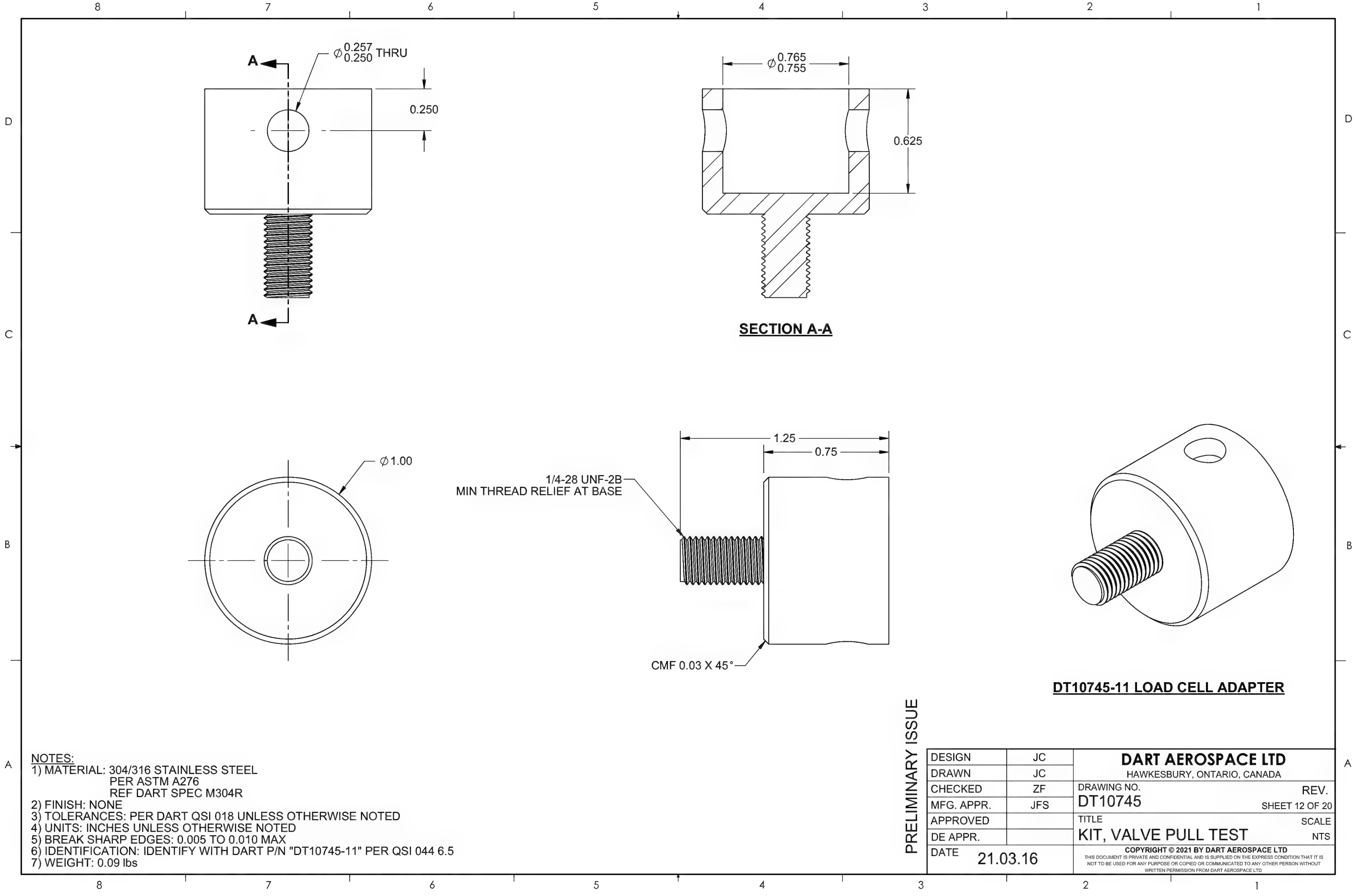


NOTES:

- 1) MATERIAL: DELRIN BAR, REF DART SPEC M-DELRIN-B
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.23 lbs

PRELIMINARY ISSUE

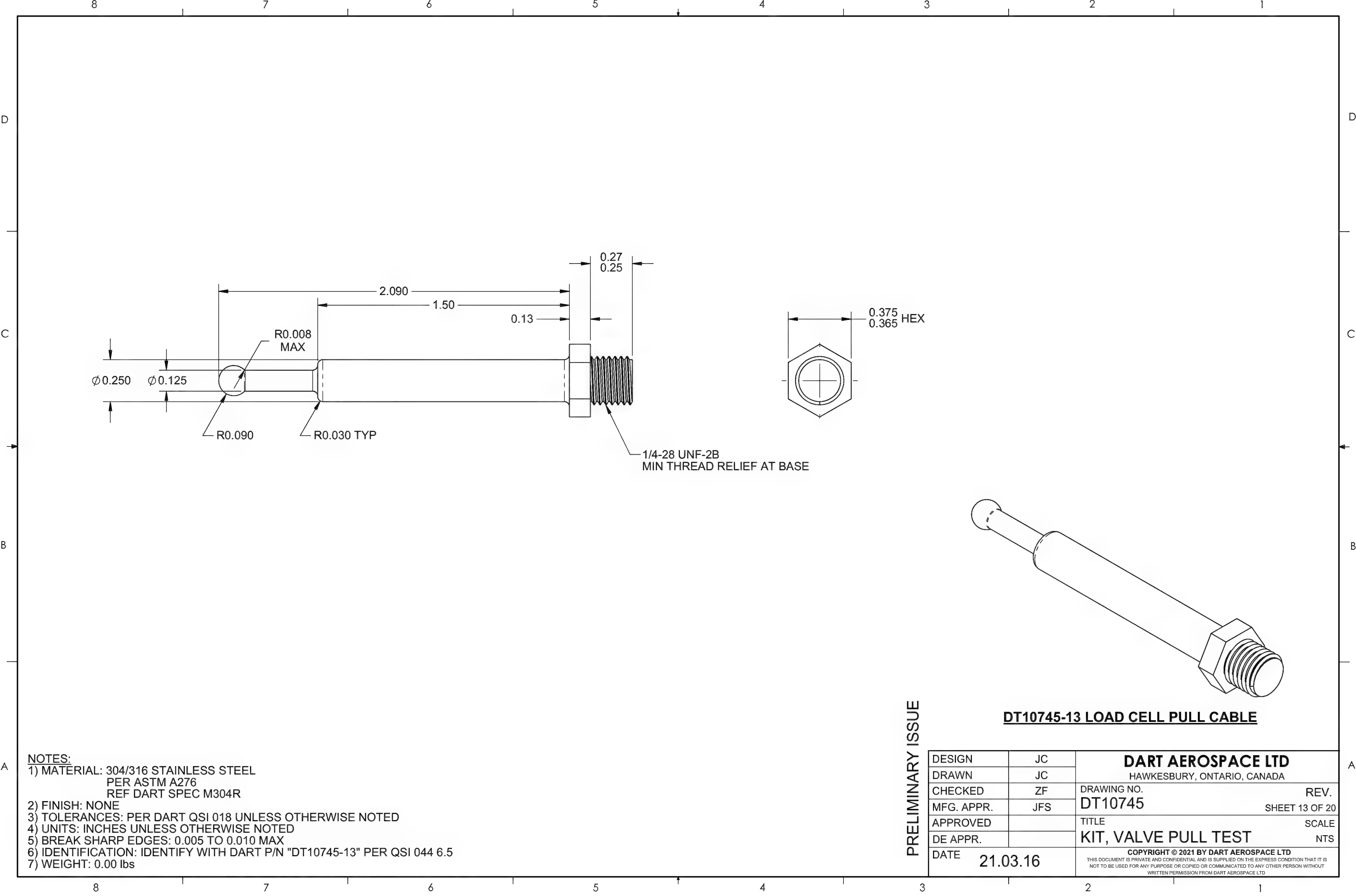




NOTES:  
1) MATERIAL: 304/316 STAINLESS STEEL  
PER ASTM A276  
REF DART SPEC M304R  
2) FINISH: NONE  
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
6) IDENTIFICATION: IDENTIFY WITH DART P/N "DT10745-11" PER QSI 044 6.5  
7) WEIGHT: 0.09 lbs

PRELIMINARY ISSUE

DESIGN	JC	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	JC		
CHECKED	ZF	DRAWING NO. <b>DT10745</b>	REV. SHEET 12 OF 20
MFG. APPR.	JFS		
APPROVED		TITLE	SCALE
DE APPR.		<b>KIT, VALVE PULL TEST</b>	NTS
DATE	<b>21.03.16</b>	<b>COPYRIGHT © 2021 BY DART AEROSPACE LTD</b> THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	

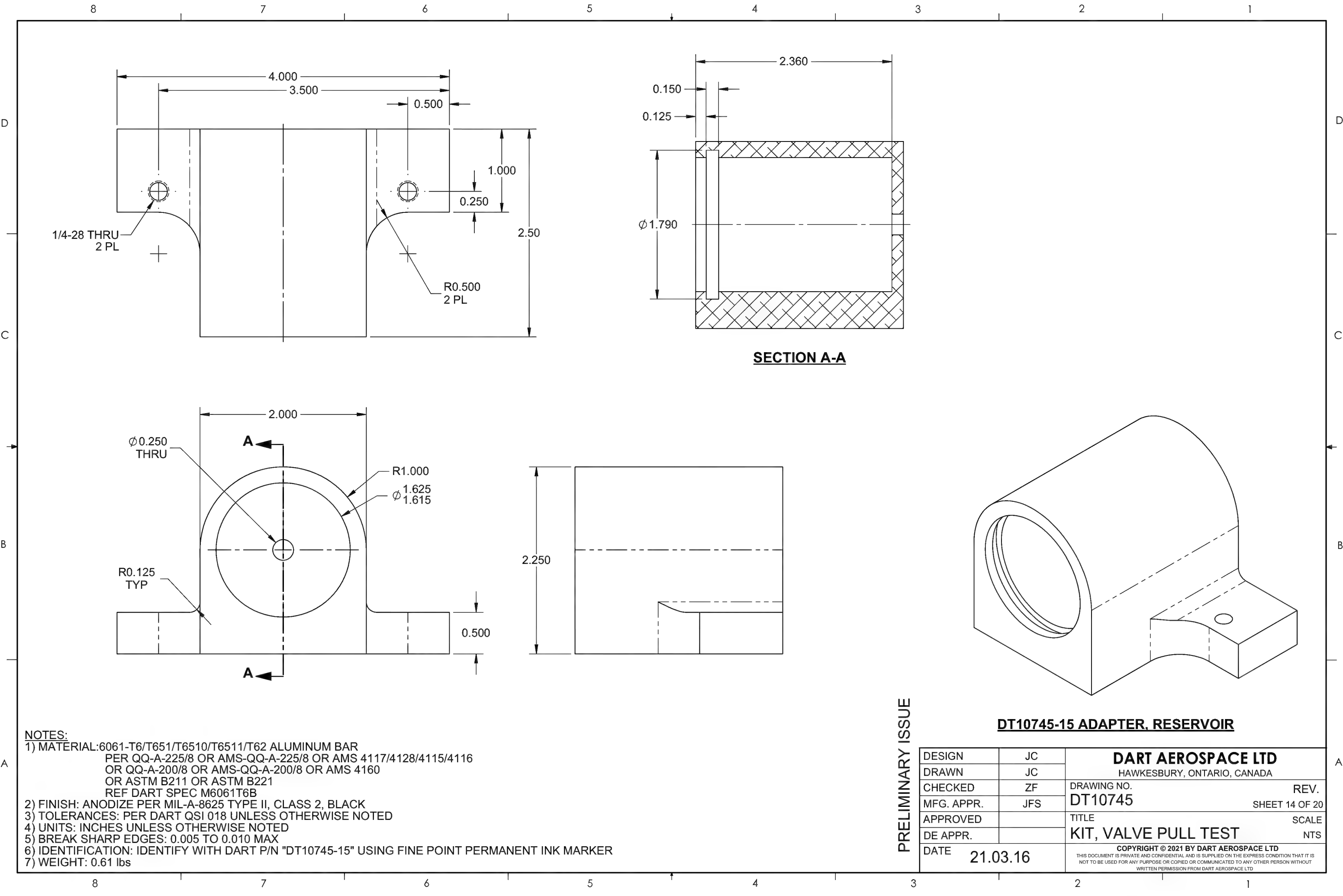


NOTES:  
1) MATERIAL: 304/316 STAINLESS STEEL  
PER ASTM A276  
REF DART SPEC M304R  
2) FINISH: NONE  
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
6) IDENTIFICATION: IDENTIFY WITH DART P/N "DT10745-13" PER QSI 044 6.5  
7) WEIGHT: 0.00 lbs

PRELIMINARY ISSUE

DT10745-13 LOAD CELL PULL CABLE

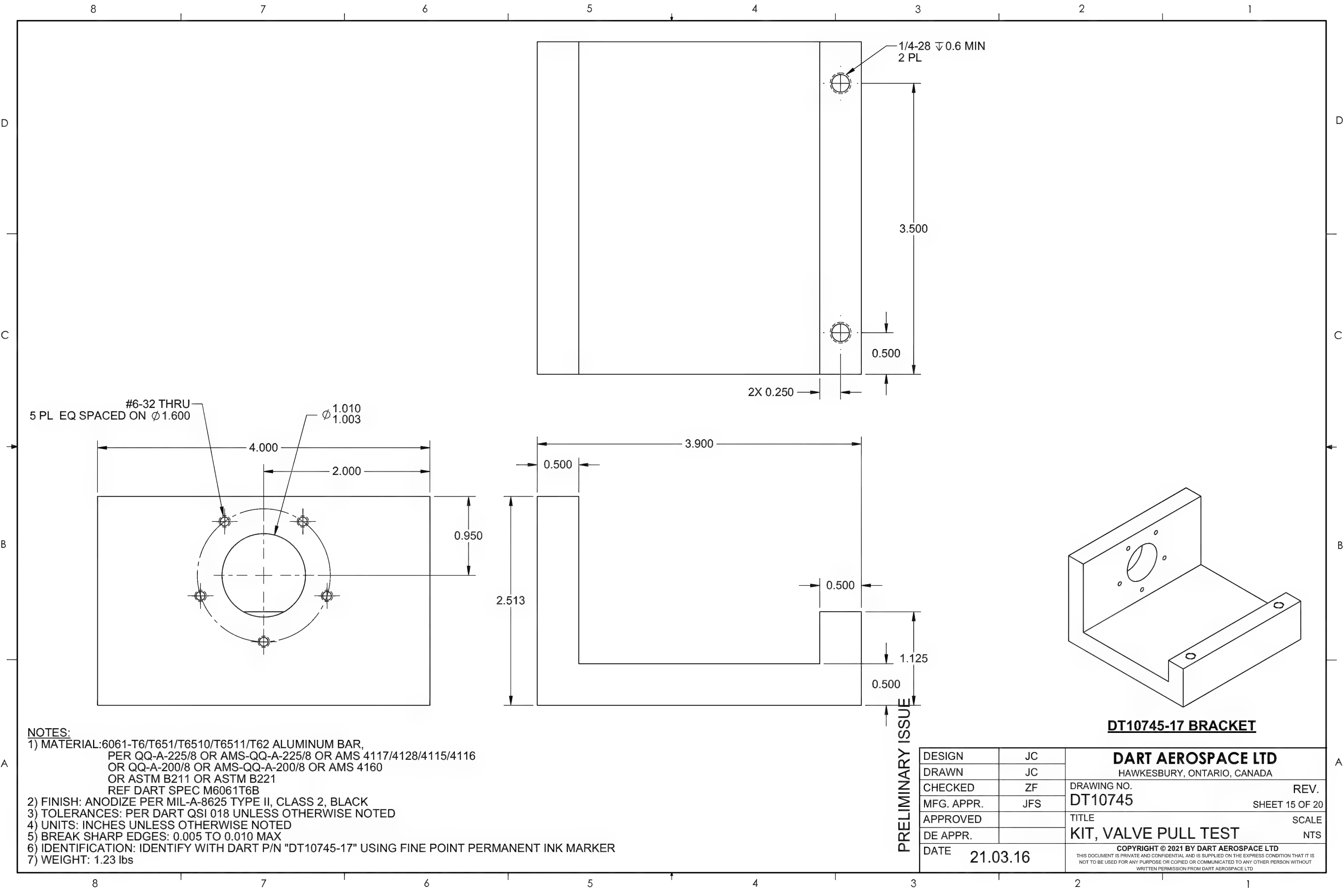
DESIGN	JC	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	JC		
CHECKED	ZF	DRAWING NO. <b>DT10745</b>	REV.  SHEET 13 OF 20
MFG. APPR.	JFS		
APPROVED		TITLE	SCALE
DE APPR.		<b>KIT, VALVE PULL TEST</b>	NTS
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NOTES:  
1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160  
OR ASTM B211 OR ASTM B221  
REF DART SPEC M6061T6B  
2) FINISH: ANODIZE PER MIL-A-8625 TYPE II, CLASS 2, BLACK  
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
6) IDENTIFICATION: IDENTIFY WITH DART P/N "DT10745-15" USING FINE POINT PERMANENT INK MARKER  
7) WEIGHT: 0.61 lbs

PRELIMINARY ISSUE

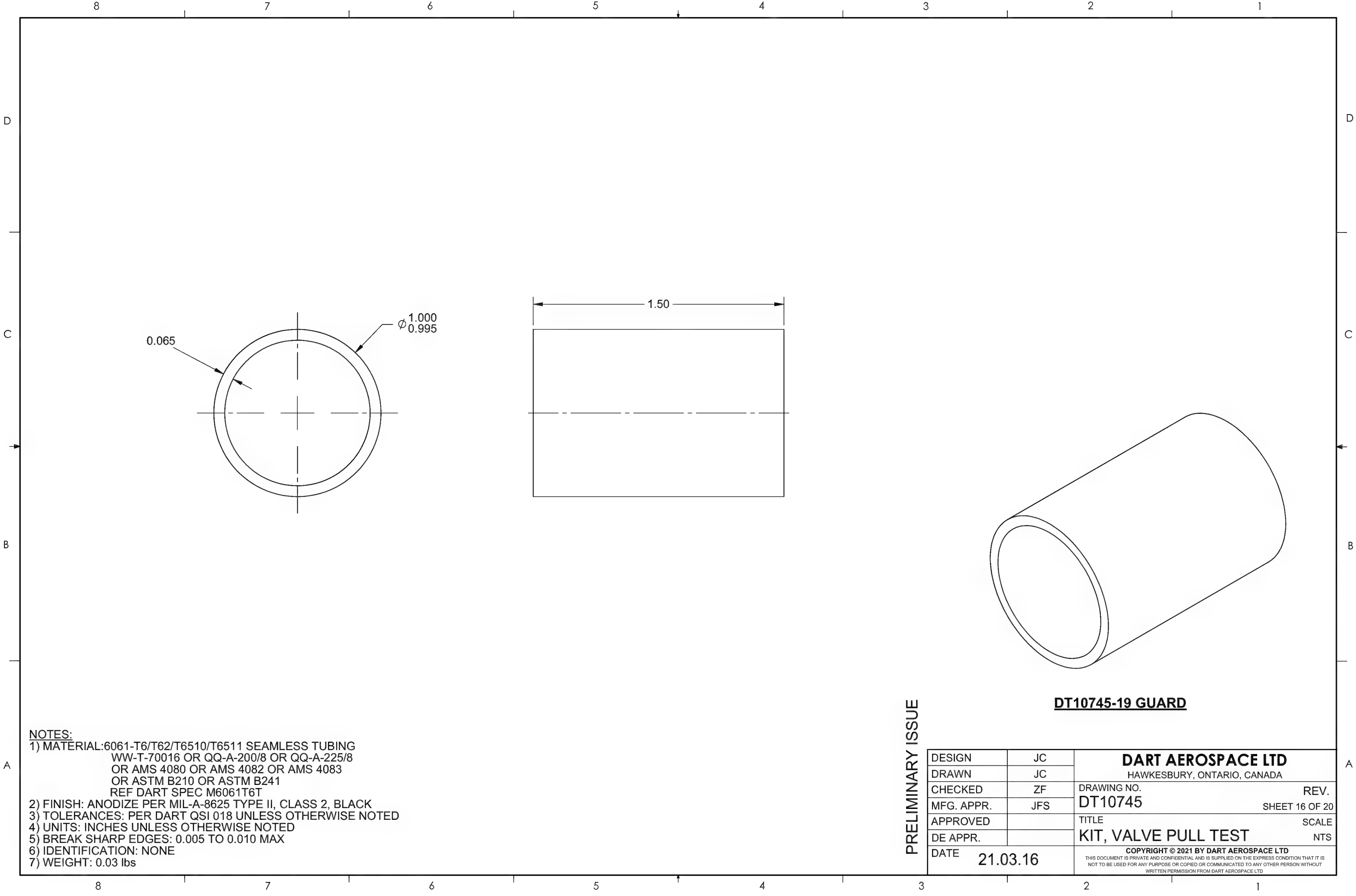
DESIGN	JC	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	JC		
CHECKED	ZF	DRAWING NO. <b>DT10745</b>	REV.
MFG. APPR.	JFS		SHEET 14 OF 20
APPROVED		TITLE	SCALE
DE APPR.		<b>KIT, VALVE PULL TEST</b>	NTS
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- NOTES:
- 1) MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR, PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 REF DART SPEC M6061T6B
  - 2) FINISH: ANODIZE PER MIL-A-8625 TYPE II, CLASS 2, BLACK
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: IDENTIFY WITH DART P/N "DT10745-17" USING FINE POINT PERMANENT INK MARKER
  - 7) WEIGHT: 1.23 lbs

DT10745-17 BRACKET

DESIGN	JC	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	JC		
CHECKED	ZF	DRAWING NO. DT10745	REV.
MFG. APPR.	JFS	SHEET 15 OF 20	
APPROVED		TITLE	SCALE
DE APPR.		KIT, VALVE PULL TEST	
DATE	21.03.16	COPYRIGHT © 2021 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small>	



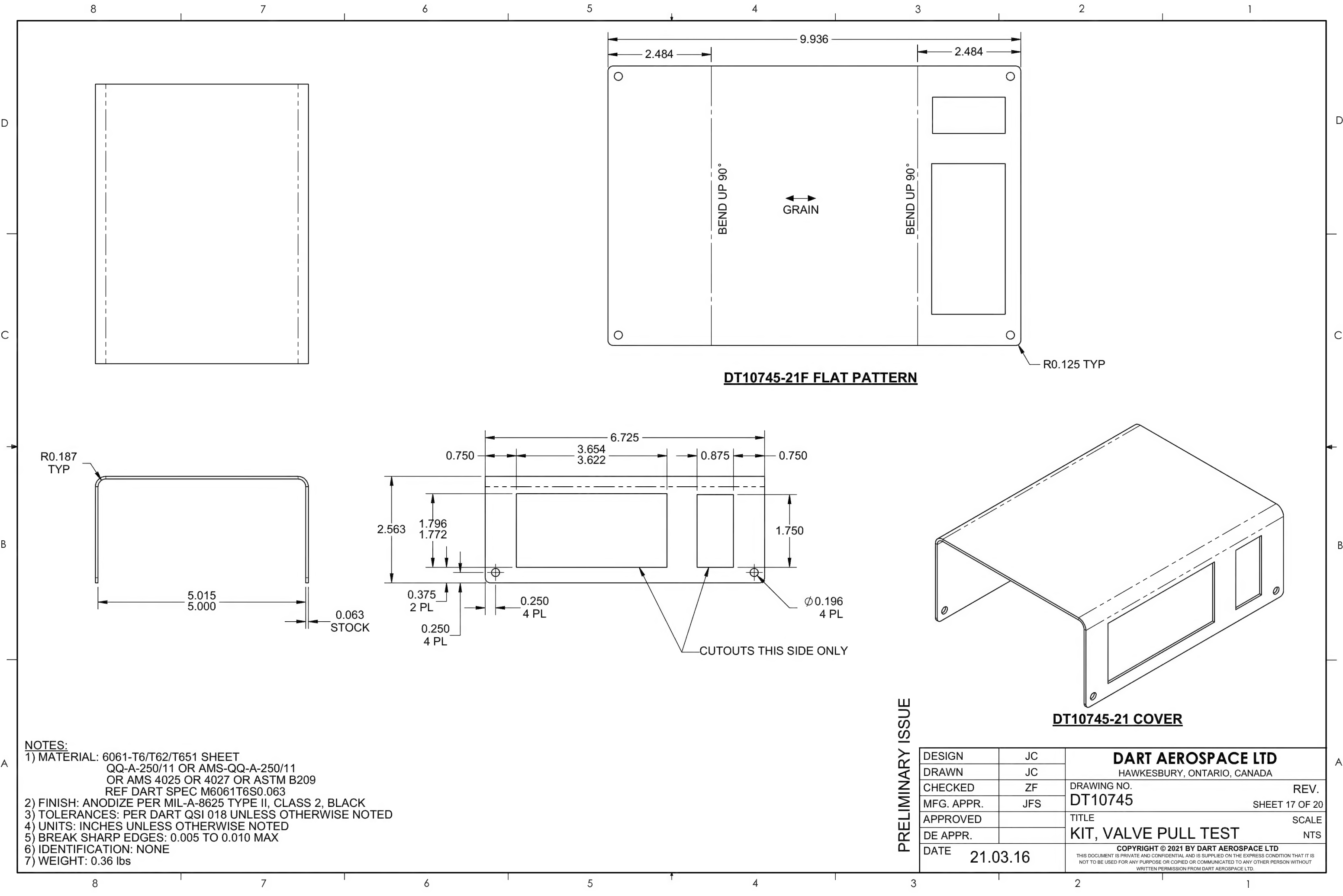
NOTES:

- 1) MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING  
WW-T-70016 OR QQ-A-200/8 OR QQ-A-225/8  
OR AMS 4080 OR AMS 4082 OR AMS 4083  
OR ASTM B210 OR ASTM B241  
REF DART SPEC M6061T6T
- 2) FINISH: ANODIZE PER MIL-A-8625 TYPE II, CLASS 2, BLACK
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.03 lbs

PRELIMINARY ISSUE

**DT10745-19 GUARD**

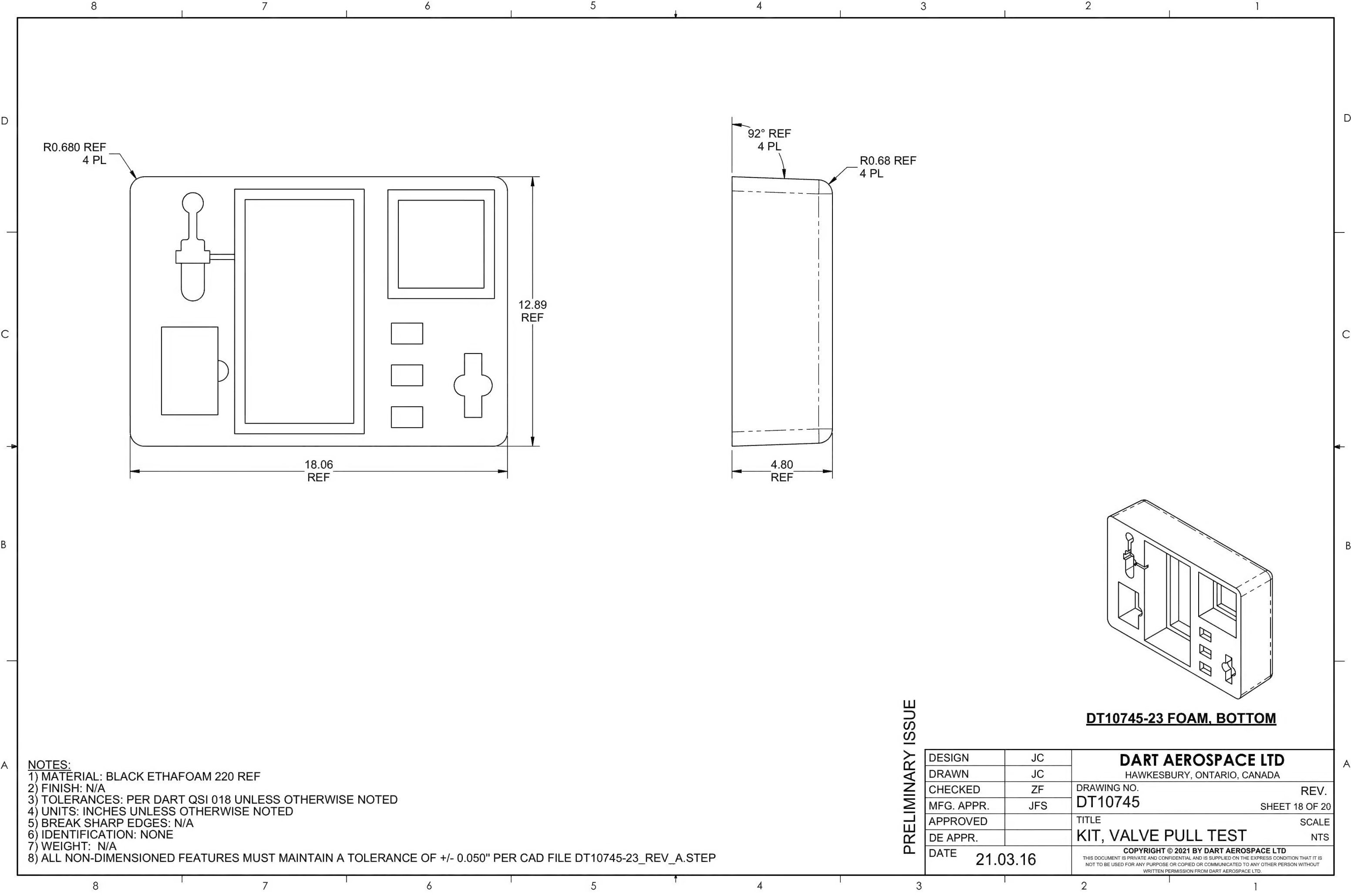


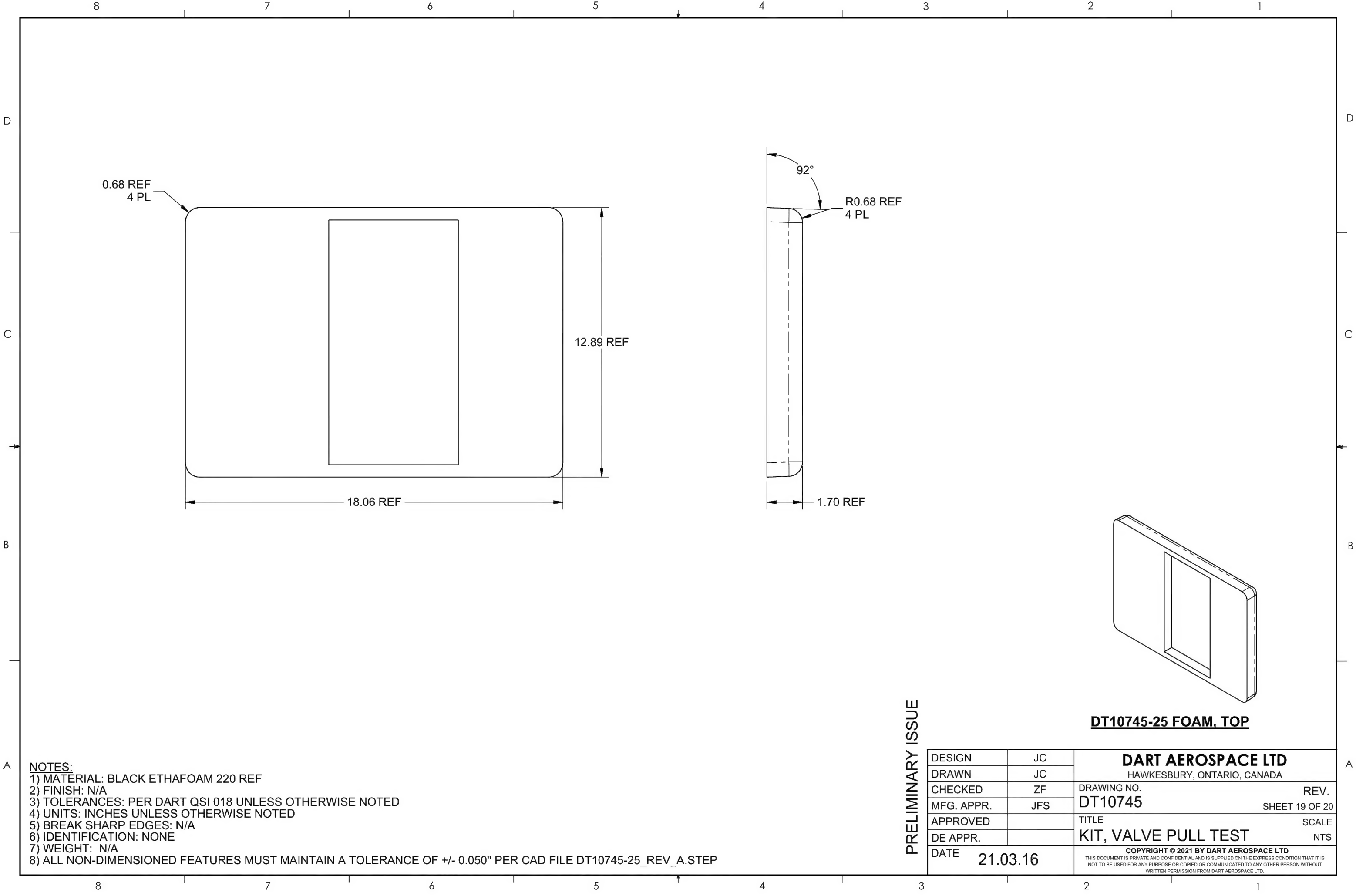


NOTES:  
1) MATERIAL: 6061-T6/T62/T651 SHEET  
QQ-A-250/11 OR AMS-QQ-A-250/11  
OR AMS 4025 OR 4027 OR ASTM B209  
REF DART SPEC M6061T6S0.063  
2) FINISH: ANODIZE PER MIL-A-8625 TYPE II, CLASS 2, BLACK  
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
6) IDENTIFICATION: NONE  
7) WEIGHT: 0.36 lbs

PRELIMINARY ISSUE

DESIGN	JC	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	JC		
CHECKED	ZF	DRAWING NO.	REV.
MFG. APPR.	JFS	DT10745	SHEET 17 OF 20
APPROVED		TITLE	SCALE
DE APPR.		KIT, VALVE PULL TEST	NTS
DATE	21.03.16	COPYRIGHT © 2021 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	





0.68 REF  
4 PL

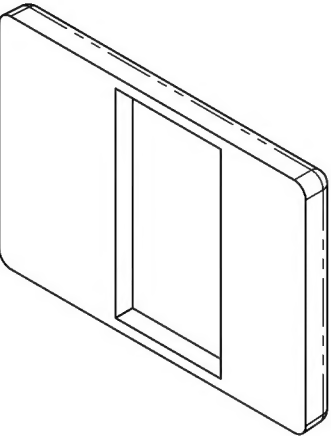
12.89 REF

18.06 REF

92°

R0.68 REF  
4 PL

1.70 REF



**DT10745-25 FOAM, TOP**

- NOTES:
- 1) MATERIAL: BLACK ETHAFOAM 220 REF
  - 2) FINISH: N/A
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: N/A
  - 6) IDENTIFICATION: NONE
  - 7) WEIGHT: N/A
  - 8) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF +/- 0.050" PER CAD FILE DT10745-25\_REV\_A.STEP

PRELIMINARY ISSUE

DESIGN	JC	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
DRAWN	JC	
CHECKED	ZF	DRAWING NO. <b>DT10745</b> REV. SHEET 19 OF 20
MFG. APPR.	JFS	
APPROVED		TITLE <b>KIT, VALVE PULL TEST</b> SCALE NTS
DE APPR.		
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